

## **Synthesis and steric structure of triethylammonium 4,4-Bis(trifluoromethyl)-2,5-dioxo-6,7-benzo-1,3,2λ 5-dioxaphosphepin-2-olate**

Mironov V.

*Kazan Federal University, 420008, Kremlevskaya 18, Kazan, Russia*

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### **Abstract**

The reaction of 2-tert-butoxy-5,6-benzo-1,3,2-dioxaphosphorin-4-one with hexafluoroacetone involves ring expansion to give a 6,7-benzo-1,3,2-dioxaphosphepine with partial preservation of the tert-butoxy substituent on the phosphorus atom. The product was heated in ether in the presence of triethylamine to obtain triethylammonium 4,4-bis(trifluoromethyl)-2,5-dioxo-6,7-benzo-1,3,2λ 5-dioxaphosphepin-2-olate. The steric structure of this compound was studied.  
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